

L 39119-66 EWP(t)/ETI I.P(c) AT/JD

ACC NR: AP6030362

SOURCE CODE: CZ/0042/66/000/002/0137/0142

AUTHOR: Autrata, R.; Navratil, F.; Prochazka, B.

40
B

ORG: none

TITLE: Conductivity induced by electron bombardment in polycrystalline layers of
CdS

SOURCE: Elektrotechnicky casopis, no. 2, 1966, 137-142

TOPIC TAGS: electron bombardment, cadmium sulfide

ABSTRACT: The article reports on experimental work conducted to determine the maximum current gain induced by monochromatic bombardment of cadmium sulfide polycrystalline layers with electrons with a density of 10^{-8} - 10^{-11} A/sq cm. The authors thank Engineer Safar, of Tesla-Blatna for providing the Cadmium sulfide samples. Orig. art. has: 8 figures. [JPRS: 36,644]

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 005
OTH REF: 013

Card 1/1

0918 1085

3406 AUTSE A. YA.

Opyt raboty "Sarkanaysmetallurgs Po analizy shlakov. Tezisy Doklada.
(Riga, 1954) 6 s tabl 20 sm. (Akad. Nauk Latv. SSSR. Leningr. Dom
naughtekhn. Propagandy. Resp. dom nauki i tekhniki. Sektsiya
Mashinostroyteley Latv. CNITO) 300 ekz. B.ts- Bez tit. l. i obl.
(54-52298) 669.18:543

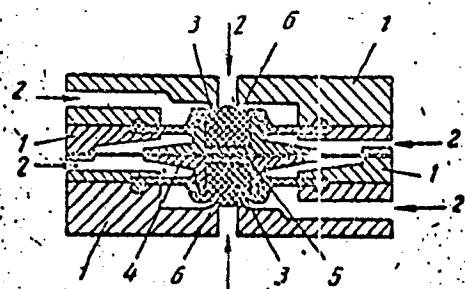
AUTSE, D.A.

Best operating conditions for interrupted series of low-head
hydroelectric power stations with a daily regulation regime.
Sob. AN Gruz. SSR 27 no.5:583-588 N '61. (MIRA 15:1)

1. Tbilisskiy nauchno-issledovatel'skiy institut sooruzheniy
i gidroenergetiki imeni A.V. Vintera, Tbilisi. Predstavleno
chlenom-korrespondentom AN Gruzinskoy SSR P.G. Shengeliya.
(Hydroelectric power stations)

ACC NR: AP6021477	SOURCE CODE: UR/0413/66/000/011/0103/0104
INVENTOR: <u>Autsgraf, F. Zh.</u> ; Vertushkin, B. A.; Golovin, V. V.; Kon'kov, Yu. A.; Fedoseyev, R. Yu.	
ORG: None	
TITLE: A pneumatic relay. Class 42, No. 182416	
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 103-104	
TOPIC TAGS: pneumatic device, nonelectric signal equipment	
ABSTRACT: This Author's Certificate introduces a pneumatic relay which contains a housing made in the form of disc plates with channels, a diaphragm unit which forms a number of chambers, and nozzles mounted in the flow chambers. Short circuiting conditions are prevented by making the face plates on the rigid center of the diaphragm unit from an elastic material, e. g. rubber, and putting a greater distance between the planes of these face plates than between the edges of the nozzles.	
Card 1/2	UDC: 681.142-525

ACC NR: AP6021477



1--disc plates; 2--channels;
3--face plates; 4--rigid cen-
ter; 5--diaphragm unit; 6--
nozzles

SUB CODE: 13/ SUBM DATE: 01Mar65

Card 2/2

AUTCHI, I.

Engineer S. Juster's article "Artificial Drying of Masonry and Plasterwork;" a review.

p. 437 (Industria Constructiilor Si A Materialelor Constructii. Vol. (7) no. 7, 1956. Bucuresti, Romania)

Monthly Index of East European Accessions (EEAI) L3. Vol. 7, no. 2, February 1958

AUTHORS: Favorskaya, I. A., Auvinen, E. M., SOV/79-28-7-15/64
 Artsybasheva, Yu. P.

TITLE: The Homologs of Monovinyl Acetylene (Gomologi monovinilatsetilena)VII. The Dehydration of Secondary Acetylene Alcohols (VII. Degidratatsiya vtorichnykh atsetilenovykh spirtov)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol 28, Nr 7, pp. 1785 - 1791 (USSR)

ABSTRACT: Vinyl acetylene hydrocarbons with alkyl radicals at the terminal carbon atoms of the combined system may be obtained by the dehydration of secondary acetylene alcohols. These compounds were of interest to the authors with respect to their styrene dimerization (Ref 1). In the present paper the dehydration of four secondary acetylene alcohols was investigated: isopropyl-acetylene carbinol (Formula I), n-propyl-acetylenyl carbinol (II), isopropyl-(methylacetylenyl)-carbinol (III) and ethyl-(methylacetylenyl)-carbinol (IV) (see the four formulae given). These compounds were synthesized according to A.Ye. Favorskiy (60-65%). Many dehydration experiments of the compounds (I) and (II) were carried out, they were, however, not success-

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The Homologs of Monovinyl Acetylene.VII.The
Dehydration of Secondary Acetylene Alcohols

SOV/79-28-7-15/64

ful. The desired hydrocarbons with substituents at both ends of the combined system were obtained only by the dehydration from the compounds (III) and (IV); they were: 2-methyl-hexene-2-in-4(V) and hexene-2-in-4 (VI) which correspond to the empiric formulae C_7H_{10} and C_6H_8 . The secondary α,β -acetylene alcohols with an acetylene terminal group do not separate water under their usual dehydration conditions. As seen by spectroscopic examinations the hydration of hexene-2-in 4 leads to the unsaturated α,β -ketone, the hexene-4-on-3. There are 1 figure, 1 table, and 14 references, 5 of which are Soviet.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: June 20, 1957

Card 2/3

The Homologs of Monovinyl Acetylene. VII. The
Dehydration of Secondary Acetylene Alcohols

SOV/79-28-7-15/64

1. Carbinols--Dehydration 2. Carbinols--Synthesis 3. Hydrocarbons--Chemical
reactions

TITLE: Acetylene Alcohols

Card 3/3

5(3)

SOV/54-59-3-18/21

AUTHORS: Favorskaya, I. A., Auvinen, E. M.

TITLE: Methods for the Determination of Alkoxy Groups

PERIODICAL: Vestnik Leningradskogo universiteta. Seriya fiziki i khimii, 1959, Nr 3, pp 119 - 127 (USSR)

ABSTRACT: Alkoxy groups are quantitatively determined by the reaction of organic substances with boiling hydriodic acid under the separation of the alkyl radical bound to oxygen and formation of alkyl iodide. The method employed here is discussed and the reaction apparatus of Steyermark (Ref 4) and Viebock's (Ref 5) are depicted. The errors of measurements of Viebock's device: were due to the volatility of the low alcohols. They are insoluble in hydriodic acid; thus, an increase in the concentration of hydriodic acid is insufficient. Therefore, a method for the washing out of the rests of hydriodic acid and iodine was developed. Sodium thiosulfate was used for this purpose which had, however, a disturbing effect due to the interaction between methyl iodide and thiosulfate. Better results were obtained after an addition of sodium acetate (Table 2). The authors of the present paper developed a universal method

Card 1/2

Methods for the Determination of Alkoxy Groups

SOV/54-59-3-18/21

on the basis of Hoffman's apparatus (Ref 10) which may be used for determinations of alkoxy groups up to a content of 60%, and which yields good results. Table 3 gives the data. It was also possible to determine glycerin by the mentioned method. Figure 3 shows the scheme of the apparatus and a description thereof is given. Hydriodic acid, red phosphorus, crystalline iodine, 10% sodium acetate solution in glacial acetic acid, 25% sodium acetate, bromine, 80-90% formic acid, potassium iodide and 0.1 n thiosulfate solution were used as reagents. The production of concentrated hydriodic acid is described. The determination was carried out in two stages: at first the substances were separated with hydriodic acid and the alkyl iodides were distilled. Table 4 gives the experimental condition for the carrying out of the determination. The distillate is mixed with sodium acetate, filled with distilled water, and some drops of formic acid are added. After decoloring and addition of sodium iodide titration is carried out with thiosulfate; 1 ml 0.1 n thiosulfate corresponds to 0.517 ml CH_3 and 0.751 ml OC_2H_5 . There are 3 figures, 4 tables, and 11 references, 1 of which is Soviet.

SUBMITTED:
Card 2/2

April 29, 1959

FAVORSKAYA, I.A.; AUVINEN, E.M.

Methods of the determination of alkoxy groups. Vest.LGU 14
no.16:119-127 '59. (MIRA 12:10)
(Alkoxy groups)

D'YAKONOV, I.A.; FAVORSKAYA, I.A.; DANILKINA, L.P.; AUVINEN, E.M.

Reaction of dichlorocarbene with enyne hydrocarbons. Zhur.ob.
Izhim. 30 no.10:3503-3504 0 '61. (MIRA 14:4)

L. Leningradskiy gosudarstvennyy universitet.
(Carbene) (Pentenyne) (Hexenyne)

FAVORSKAYA, I.A.; AUVINEN, E.M.

Homologs of monovinylacetylene. Part 10: Hydration of
4-hexen-2-yne, a vinylacetylenic hydrocarbon. Zhur.ob.khim.
32 no.5:1373-1376 My '62. (MIRA 15:5)

1. Leningradskiy gosudarstvennyy universitet.
(Hexenyne) (Hydration)

AUVINEN, E.M.; FAVORSKAYA, I.A.

Preparation of 2,4-dinitrophenylhydrazones by the micromethod and
their identification by means of thin-layer chromatography. Vest.
LGU 18 no.10:122-129 '63. (MIRA 16:8)
(Hydrazones) (Chromatographic analysis)

FAVORSKAYA, I.A.; AUVINEN, E.M.

Low-temperature diene synthesis. Zhur. ob. khim. 33 no.8:
2795-2796 Ag '63. (MIRA 16:11)

1. Leningradskiy gosudarstvennyy universitet.

FAVORSKAYA, I.A.; AUVINEN, E.M.

Monovinylacetylene homologs. Part 13: Addition of alcohols to
1-(methylacetylenyl)-1-cyclohexene. Zhur.org.khim. 1 no.3:486-
489 Mr '65. (MIRA 18:4)

Leningradskiy gosudarstvennyy universitet.

AUZ, I.V., sanitarnyy fel'dsher (s. Golyany Moldavskoy SSR)

How we control flies. Fel'd. i skush. 23 no.2:47 F '58. (MIRA 11:2)
(FLIES—EXTERMINATION)

AUZAN, R. A.

PLATE 1 BOX EXPLANATION 507/671

Abstracts and notes. Institute of Automatics and Cybernetics. Similar to

periodically published abstracts. 24 and 24 section

Library of the Institute of Automatics and Cybernetics. Moscow, 1960. 211 p. Kireva slip inserted. 3,500 copies printed.

Item: Ed. M. A. Abramov, Doctor of Technical Sciences, Professor; Ed. of Publishing House: M. A. Abramov, Doctor of Technical Sciences, Professor; Ed. of Publishing House: M. A. Abramov, Doctor of Technical Sciences, Professor.

REMARKS: This collection of articles is intended for scientific workers, industrial engineers and engineers interested in automation and telemechanics.

PERMANENT AND INTERMITTENT SYSTEMS AND SYSTEMS OF AUTOMATIC EXPLANATION

Perelman, I. I. Permanent Compensating Pressure and Regulation Trans-

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action and the Transmission of Pressure

Anton, I. I., and I. O. Belyavskiy. Dynamic Characteristics of AHS

68

Regulators and Recommendations for Their Testing

Vodits, V. I. Effect and Inertia Load in Automatic Regulation Systems

79

Comparison of AHS Permanent Instruments

Dzhelez, V. A. Small Scale Hydraulic Load Block of Compensation Type

84

Instrument

Samoy, V. P. Method of Increasing the Accuracy of Industrial Hydraulic

99

Instruments

Bliznyuk, V. B. RDP-1 Electronic and Hydraulic Regulator

109

Regulator, 316. RDP-1 (Mechanically and electronically - Moscow East

Industrial Plant) Electronic and Hydraulic Regulator

111

Bliznyuk, V. A. AHS Hydraulic Assembly System - Base of a Complex

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Regulation in the Petroleum Refining Industry

PERMANENT COMPENSATING AND POLARIZING SYSTEMS

Yelichuk, Yu. I., and I. A. Belyavskiy. Construction Problems of Permanent

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Compensating Polishing Devices

Leite, K. B. Small Scale Permanent Continuous Action Calculating Machine

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and the Delay Block

Kalashnikov, L. A., and A. I. Sedukhin. Investigation of Characteristics of

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Permanent Transducers Used as Indicators

Belitskiy, V. E., and A. A. Gaiduk. Dynamic Characteristics of Relay Diagrams

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Interference in the Device for the Application of Permanent External

Regulation on Items With Several Regulating Components

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Anton, V. B., V. E. Belitskiy, and V. L. Durnov. RDP-1P Regulating

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CHRONOGRAPH WITH HYDRAULIC DELAY

Podolskiy, V. I., M. L. Kostikov, and Yu. I. Mityushin. Application of an

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Automatic Regulator for Controlling and Regulating Circuits

Processes According to the Demand Effect of the Reaction

PERMANENT AND INTERMITTENT SYSTEMS AND SYSTEMS OF AUTOMATIC EXPLANATION

THE GENERAL PERMANENT SYSTEMS AND CYCLOSTATION

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Belitskiy, V. (Ed.). Hydraulic and Combined Automatic Regulation Systems

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Primer, V. (Ed.). Components of Automatic Regulation

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Samoy, V. (Gosizdatgiz), Hydraulic Regulation of the Khrushchev Plant

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Yelichuk, Yu. I. (Gosizdatgiz), Hydraulic Regulation of the Khrushchev Plant

215

End 5/5

13.2000

S/194/61/000/008/034/092
D201/D304

AUTHORS: Auzan, R.A. and Khvilevitskiy, L.O.

TITLE: Dynamic properties of automatic pilots and recommendations as to their setting

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1961, 38, abstract 8 V295 (V sb. Vopr. pnevmo- i gidroavtomatiki, M., AN SSSR, 1960, 68-78)

TEXT: The results are given of experimental analysis of dynamic properties of pneumatic regulators. The experiments were carried out with ПИ - (PI) and ПИД - (PID) regulators, designed from the standard elements of an automatic pilot. For each regulator a structural diagram is presented and the standard equation derived which determines the law of the regulation input and the dependence of coefficients of this equation on the parameters of regulator setting. The frequencies are determined, at which the regulator reproduces, with adequate accuracy, the law of the regulation input.

Card 1/2

VB

Dynamic properties...

S/194/61/000/008/034/092
D201/D304

From data obtained in the experiment the exact equations of the
regulator are produced. 4 references. [Abstracter's note: Com-
plete translation.]

✓B

Card 2/2

AUZAN, Y.A.A.

21 (4)
 Yuzan, Y.A.A. (ed.). Radioisotopes in Industry. Moscow: Mashinostroyeniye, 1957. 280 p. 4,000 copies printed.

Sponsoring Agencies: Ministry of Heavy Machine-Building, Ministry of Atomic Energy, and Academy of Sciences.
Editorial Board of Eds.: V.Y. Dubushin, Academician (Resp. Ed.), K.K. Komarov (Co-Resp. Ed.), Yu. S. Zaslavskiy (Dep. Resp. Ed.), L.E. Tichchenko, B.I. Verkhovskiy, S.G. Mazurov, L.I. Zaitsevskiy, and M.G. Zaitsevskaya (Secretary).

Ed. of Publishing House: P.M. Belyanin; Tech. Ed.: T.P. Polenova.
PURPOSE: This book is intended for specialists in the field of machine and instrument manufacture who use radioactive isotopes in the study of materials and processes.

COVERAGE: This collection of papers covers a very wide field of the utilization of tracer methods in industrial research and control techniques. The topic of this volume is the use of radioisotopes in the machine- and instrument-manufacturing industry. The individual papers discuss the applications of radioisotope techniques in the study of metals and alloys, problems of friction and lubrication, metal cutting, engine performance, and defects in metals. Several papers discuss the use of radioisotopes in the study of the quality of industrial processes, recording and measuring devices, automation control, flowmeters, level gauges, safety devices, radiation counters, etc. These papers represent contributions of various Soviet institutes and laboratories. They were published as Transactions of the All-Union Conference on the Use of Radioactive and Stable Isotopes and Radiation in the National Economy and Science, April 4-12, 1957. No personalities are mentioned. References are given at the end of most of the papers.

Auzan, Ye. A., V.K. Banashuk, Kh.K. Gunee, I.N. Taksar, A.D. Yuzan, P.P. Chaplinskii, I.A. Krasnii, and V.A. Yamahevskiy (Institut fiziki AN Latvyskoy SSR, savodiy "Kosmopressor" i "Drimars" - Institute of Physics, Academy of Sciences, Latvian SSR; VEP, "Kompressor", and "Drimars" Plants). Automation and Control Equipment With Radioactive Isotopes 259

Sagalin, V.G. (Vsesoyuzny nauchno-issledovatel'skiy uchebnyy tsentr - All-Union Scientific and Educational Center for Crystal Tricodes 264

Klempner, K.S. Evaluation of the Minimum Necessary Charge of Counters in a Gamma Relay 266

Shumilovskiy, M.N., Yu.V. Gushchin, and M.I. Tolokomskiy (Institut avtomatiki i telemekhaniki AN SSSR - Institute of Automation and Telemechanics, Academy of Sciences, USSR). Use of Radioactive Isotopes for the Automatic Control of the Flow of Liquids 267

Kryzhanovskiy, V.V., I.I. Sar'yants, and V.A. Yamahevskiy (Institut fiziki Akademii nauk Latvyskoy SSR i Leningradskiy gosudarstvennyy zavod - Institute of Physics, Academy of Sciences, Latvian SSR; Leningrad State Machine-Building Plant). Use of Short-Lived Isotopes in the Control of the Process of Steel Strip Manufacture 271

Shumilovskiy, M.N., and L.V. Melitsger (Institut avtomatiki i telemekhaniki AN SSSR - Institute of Automation and Telemechanics, Academy of Sciences, USSR). Use of Radioactive Radiations in the Noncontact Control of the Volume and Velocity of a Stream of Gas 276

Rabov, Ya. Yu., and D.N. Zly. Use of Alpha Emitters for the Measurement of Gas Density 280

Yudin, A.G., I.S. Furman, and T.G. Meyman (Nauchno-issledovatel'skiy institut tekhnicheskoy priborostroyeniya - Scientific Research Institute for Machine-Building Equipment for the Automatic Control of Gas Flow by Means of Beta Radiation 286

Pelouik, P.A., L.V. Melitsger, and M.I. Yuzanovskiy (Tsentrallyy nauchno-issledovatel'skiy institut shelkovoy promyshlennosti - Central Scientific Research Institute of the Silk Industry). Use of Radioactive Isotopes for the Dissipation of Electrostatic Charges in the Silk Industry 289

VANDUYEV, YU.N.; AUZBAYEV, D.

Experimental study of the motion of a gas and oil mixture
through horizontal pipes. Neft.khoz. 41 no.8:35-38 Ag. '63.
(MIRA 17:10)

AUZBAYEV, L.; BASHKIROV, A.I.; VASILYEV, Ye. M.; VARSUKOV, N.A.

Methods and results of the experimental study of the gas-oil
mixture flow in a flowing well. Neft. khoz. 39 no.12:38-40
D '61. (MIRA 14:12)

(Oil reservoir engineering)

ARKHANGEL'SKIY, V.A. (Moskva); AUZBAYEV, D. (Bugul'ma); BASHKIROV, A.I.
(Bugul'ma); VAILI'YEV, Yu.N. (Bugul'ma); MAKSUTOV, R.A. (Bugul'ma)

Investigating gas-oil mixture flow in gushers. Inzh.zhur. 2 no.1:5⁶.
68 '62. (MIRA 15:3)

1. Institut mekhaniki AN SSSR i Tatarskiy nauchno-issledovatel'skiy
institut.

(Oil reservoir engineering)

Auzemus, E. R.

Category: USSR/General Biology. Genetics.

B-5

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21566

Author : V.M. Meiers, E.R. Auzemus, F.K.S. Ku, K.I. Khsu

Inst : not given

Title : Resistance to rust in wheat and oats produced by ionizing radiation.

Orig Pub: V. sb.: *Primenenie radioaktivnykh izotopov v promsti, meditsine i s. kh.*, M., AN SSSR, 1956, 525-532

Abstract: In order to breed types of oats and wheat resistant to stem-rust caused by Puccinia graminis tritici Eriks. Henn. and Puccinia graminis avenae Eriks. Henn., and also the kind of oats resistant to coronal rust caused by Puccinia coronata Eriks, the seeds of the originally non-resistant varieties were subjected to irradiation. Irradiated were: a variety of summer wheat Li, resistant to all rust strains except strain 15B; a variety of Ayaks oats sensitive to strain 8 of stalk rust; and a variety of Klintaf oats sensitive to

Card : 1/3

-2-

Category: USSR/General Biology. Genetics.

B-5

Abs Jour: Referat Zh.-Biol., No 6, 25 March 1957, 21566

strain 7 of stalk rust and to many widely distributed strains of coronal rust. Doses of roentgen rays 12,000-16,000 r and thermal neutrons $9.44 \cdot 10^{12}/\text{cm}^2$ were used. The plants obtained from the treated seeds (generations X and N) were germinated alongside of a control on a provocative (?) background. In the Li variety in generations X_2 and N_2 resistant specimens were picked. All the control plants were non-resistant. In most cases generations N_3 and N_4 obtained from resistant plants of generation N_2 proved resistant, which indicates their homozygosis with respect to resistance. The generations X_3 and X_4 proved moderately resistant. In the Ayaks and Klintaf varieties among families of generation N_2 resistant specimens were also picked; in addition, several mutants were found in the oat varieties with a chlorophyll deficiency. Whether the responsibility for resistance of the treated material depends on the same loci which determine the resistance of several existing varieties or other loci, is unknown so far. Even if the resistance is de-

Card : 2/3

-3-

Category: USSR/General Biology. Genetics.

B-5

Abs Jour: Referat Zh.-Biol., No 6, 25 March 1957, 21566

etermined by the same loci, the breeding of mutants resistant to definite rust strains while they retain other attributes of the variety, is extremely valuable. The improvement of varieties is accomplished in this fashion more rapidly than with the ordinary methods of selectivity, and with a smaller risk of losing any of the desired properties of the improved variety.

Card : 3/3

-4-

AUZIN, A.K.

Integrated geophysical studies in searching for nickel
silicate ores. Razved. i okhr. nedr. 28 no.10:35-41
0 '62. (MIRA 15:11)

1. Tsentral'no-Kazakhstanskoye geologicheskoye
upravleniye.

(Prospecting--Geophysical methods)
(Nickel silicates)

AUZIN, A.K.

Using the natural electrical field method in vein-disseminated
copper and molybdenum deposits of central Kazakhstan. Uch.zap.IGU
no.303:234-240 '62. (MIRA 15:11)
(Electric prospecting) (Kazakhstan--Copper ores)
(Kazakhstan--Molybdenum ores)

AUZIN, A.K.: LOGVINETS, M.N.

Observing the potentials of a natural electric field with
simultaneous watering of grounding holes. Uch. zap. LGU no.278:
160-163 '59. (MIRA 13:2)

(Electric prospecting)

AUZIN, A.K.

Uch. zap. LGU no. 320:100-121 '63.

Natural electric fields in central Kazakhstan ore deposits. Uch.
zap. LGU no. 320:100-121 '63. (MIRA 16:9)
(Kazakhstan--Electric prospecting)

SVESHNIKOV, G.B.; RYSS, Yu.S.; AUZIN, A.K.

Natural electric field as a factor in the formation of zones of
secondary enrichment in sulfide deposits. Uch. zap. LGU no.320:
122-133 '63. (MIRA 16:9)

(Electric prospecting) (Sulfides)

L 54550-65

EXT(d)/EED-2/EWP(1) Bq-4/Pg-4/Pk-4

IJP(c) BB/GG

ACCESSION NR: AP5015524

UR/0286/65/000/008/0064/0065

AUTHORS: Misulovin, L. Ya.; Auzin', V. Ya.; Maksimenko, N. A.; Lerner, Ye. L.;
Stroy, I. G.; Satara, S. S.; Shiyakhtina, D. A.

TITLE: Parallel-series shift register. Class 42, No. 170203

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 64-65

TOPIC TAGS: shift register

ABSTRACT: This Author Certificate presents a parallel-series shift register having potential triggers with gates at the recording inputs. To decrease the number of storage units, the register contains basic registers for parallel information recording and one auxiliary register controlling the shift of information in the basic registers. The outputs of each preceding trigger are connected to the record gate inputs of the next (see Fig. 1 on the Enclosure). The second inputs of the zero record gates of the auxiliary register are connected to the input for the shift pulse series at output, the one record gates are connected to the input for the shift pulse series at recording. The second input of the record gate of each trigger of the basic register is connected to the zero output of the trigger of the auxiliary register with the same number. The numeration

Cord 1/12

31
30
B

L 54550-65

ACCESSION NR: AP5015524

of the basic and auxiliary registers is opposite. Orig. art. has: 1 diagram.

ASSOCIATION: Gosudarstvennyy elektrotekhnicheskiy zavod VEF (State Electrical Engineering Plant VEF)

SUBMITTED: 0. Jan 64

ENCL: 01

SUB CODE: DP

NO REF SOV: (00)

OTHER: 000

Cord 2/02

AUZINS. ARVIDS ZANA

"d. Kultivetas ganības Talsu un Ventspils rajonos. Rīga, Latvijas valsts izdevniecība, 1957. 23 p. (Cultivated pastures in the Talsi and Ventspils Districts)."

DA

Not in DLC

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

1 50735-65 ENT(1)/FIC GW

ACCESSION NR: JP501532

UR/0286/65/000/009/0079/0079 16
531.787:621.3.06".002.56 13

AUTHOR: Auzi'sh, Ya. Yu.; Brede, Ya. F.; Ventis'sh, Ya. Ya.; Mayyemhteyn, A. I.

TITLE: A device for calibrating pressure transducers in hydrometeorological instruments, e.g., radiosondes. Class 42, No. 170712

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 79

TOPIC TAGS: instrument calibration, meteorological instrument, radiosonde, photo cell, manometer 12

ABSTRACT: This Author's Certificate introduces: 1. A device for calibrating pressure transducers in hydrometeorological instruments, e.g., radiosondes. The unit contains an automatic recorder, a pneumatic system, photocells which are connected to a control unit, and a mercury manometer. The measurement arm of the manometer is connected to a pressure chamber which contains the radiosondes to be calibrated. The instrument is designed for improved efficiency and accuracy of calibration. Stationary screens are mounted along the measurement arm of the cistern-siphon manometer. These screens have diaphragms at levels which correspond to the measurement

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ACCESSION NR: AP501532

program. The device also contains a movable rack which is connected with a step mechanism and has a single aperture opposite each photo relay. 2. A modification of this device which has a photo relay mounted at the reading level and connected through a control unit to the feed for the manometer tank. In this way the level of the mercury in the neutral arm of the manometer can be automatically maintained at a constant level and errors caused by changes in atmospheric pressure and mercury evaporation can be eliminated.

ASSOCIATION: Tsentral'noye proyektno-konstrukterskoye byuro mekhanizatsii i avtomatizatsii SNKh Latvyskoy SSR (Central Planning and Design Office for Mechanization and Automation, SNKh Latvian SSR)

SUBMITTED: 20Dec62

ENCL: 01

SUB CODE: IE, ES

NO REF SOV: 000

OTHER: 000

Card 2/3

L 50735-65

ACCESSION NR: AP5015324

ENCLOSURE: 01

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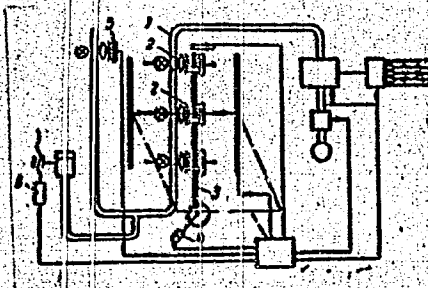


Fig. 1. 1--measuring arm of the manometer; 2--stationary elements with diaphragms; 3--movable rack connected to stepper; 4--stepper; 5--photo relay; 6--feed for the manometer tank

Card 3/3

AVACHEV, I., inzh.; BOROVSKIY, L., kand.tekhn.nauk

Thermophysical characteristics of the joints of large-panel
apartment houses with panel heating systems. Zhil. stroi.
no.11:7-10 '65. (MIRA 18:12)

H-34

RUMANIA / Chemical Technology, Chemical Products and Their
Application. Dying and Chemical Treatment of Textile
Materials.

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 17886

Author : Avachian, A.; Turcu, G.

Inst : Not given

Title : Perspectives of Finishing Linen Textiles in the RNR

Orig Pub : Il-a Consf. tehn.-stiint. a ind. usoaro. Textilo.
(Bucuresti), ASIT, 1957, 302-306

Abstract : Results of investigations conducted by the Textile
Research Institute indicate the feasibility of utiliz-
ing various processes now employed in the finishing
of cotton textiles (bleaching, mercorizing, dying and
other finishing steps) in the finishing of linen textiles.
In the production of fine linen materials it is
recommended to conduct mercorization at lower tension, thus

Card 1/2

RUMANIA / Chemical Technology, Chemical Products and Their
Application. Dying and Chemical Treatment of Textile
Materials.

H-34

Abs Jour: : Ref Zhur - Khimiya, No 5, 1959, No. 17886

permitting the use of linen fibers as the base. For
large-scale manufacture of linen fabrics it is necessary
to have a special finishing plant section equipped with
apparata in which raw fiber and fabrics would be subjected
to the hypochloride-peroxide bleaching, mercerization, and
processes that would improve crease resistant properties
of fabrics. -- G. Markus

Card 2/2

H-154

LUPU, N. Gh., acad.; DINISCHIOTU, G. T.; PAUN, R.; POPESCU, I. Gr.; FOTESCU, L.;
ZAMFIRESCU-GHEORGHIU, Marcela; OLARU, Cornelia; IOTA, C. G.;
MOSCOVICI, B.; MOLNER, C.; URSEA, N.; LOWE, Judith; WEINER, S.; In co-
laborare cu AVACHIAN, A.; BICLESAN, I.; DUMITRESCU, I.

Investigations of allergy to ricin. Stud. cercet. med. intern. 2
no.5:639-652 '61.

(RICINUS toxicology) (ALLERGY etiology)

AVACHIAN, A., ing.

Technological schemes for peroxide bleaching of cellulose materials on classical equipment. Ind text Rum 12 no.12: 497-503 D*61.

1. Institutul de cercetari textile.

AVACHIAN, A., ing.; ANDREICOVICI, G., ing.

Stability of the white color and its determination on cotton fabrics. Ind text Rum 13 no.12:509-511 D '62.

1., Institutul de cercetari textile.

AVACHIAN, A., ing.

New elements for method unification in determining the
unwrinkling angle. Ind text Rum 14 no.12:567-570 D'63.

PANAITIDE, C., ing.; MARCU, Gh., ing; IONESCU, Gh.; RADU, N.; PAVEL, D.
VASILESCU, P., ing.; ROSU, A., ing.; PAVEL, M., ing.; ENEDI, A.;
MIHAI, Gh.; SANDULESCU, M., ing.; AVACHIAN, A., ing.; ANDREICOVICI,
Gh., ing.; UNTERFINGER, E., ing.

New technology in combed cotton spinning for improving yarn
quality. Ind text Rum 14 no.10:448-450 S '63.

1. De la Filatura romineasca de bumbac (for Panaitide, Marcu,
Ionescu, Radu, Pavel, D., Vasilescu, Rosu, Pavel, M., Enedi,
Mihai, Sandilescu).
2. De la Institutul de cercetari textile (for Avachian,
Andreicovici, Unterfinger).

STANESCU, Panait; MIERCEA, Florian, ing., correspondent; POSIRCARU, Alexandru; AVACUM, Mihail

Technological tests will start 20 days earlier. Constr
Buc 16 no. 749:4 16 May '64.

1. Chairman of the Trade-Union, Committee of the Construction Site of Straw Paper and Cellulose concern Calarasi (for Stanescu).
2. The Galati Branch of the Voluntary Editorial Office of "Constructorul" (for Posircaru, Avacum).

DIACONU, Constantin; AVADANEI, Ana; CIOBANU, Silvia; MOTEA, Ioan;
STANESCU, Silviu

On the stability of Rumanian river beds during the last 30-40 years.
Studii hidrol 3:53-66 '62.

STANESCU, S.; VIRCOL, A.; BIRTU, E.; TEFEL, E.; VIRCOL, L.; MARCULESCU, I.;
CUTE, E.; AVADANEI, A.; BURCIU, O.; CICEANU, S.; ILIE, E.; MOTEA, I.

Hydrographic basin of the Mures River; a hydrologic monograph.
Studii hidrol 6:3-273 '63.

STANCIU, Natalia; PADURARU, Aneta; AVADANEI, Ana; GILYEN, Ion; MITA, Pompiliu;
POSTEUCA, Doina; BORDEIANU, Nicolae; GRUIA, Ion; MIHAILESCU, Gheorghe;
TUDOR, Costica; UNGUREANU, Elena

Monograph on the hydrology of the hydrographic basin of the Olt
River. Studii hidrol 10:1-283 '64.

FLORESCU, D., Ing.; AVADANEI, Ana

Computation of maximum discharges in small reservoirs.
Meteorologia hidrol gosp 8 no.3:121-124 '63.

LATCU, D., prof. (Hunedoara); PETRESCU, N., prof. (Tg. Carbunesti); CERCHEZ, Miha; ZENEMBISI, I., prof. (P. Neamt); TEODORESCU, Voltaire (P. Neamt); IONESCU-TIU, C.; TOMESCU, Ion (Bucaresti); DUMITREASA, Gh. (P. Neamt); MIHAILESCU, D., prof. (Pitesti); DUMITRU, Acu (Cluj); LEONTE, Alexandru (Bucaresti); ANGHELACHE, Tudorica (Bucaresti); POPA, Al. (Pucioasa); BRINZANESCU, V. (Bucaresti); LUSTIG, Gh. (Bucaresti); ISAC, E. (Tg. Jiu); LEVIN, Alexandru (Tallin, U.S.S.R.); SIMION, A. (Bacau); AVADANEI, Cornelia (P. Neamt); SIMIONESCU, Gh.D.; FLONDOR, Elena, (Bucuresti)

Proposed problems in mathematics. Gaz. mat B 15 no.4:172-177
Ap '64.

BORZA, Rodica; SIMIONESCU, M., planificator; TOMESCU, I.; AVADANII, Ioan
CRETU, Radu, tehnician

Successes in socialist competition. Constr Buc 16 no.742:
1 28 March 1964.

1. Subredactia voluntara de la Turda (for Borza).
2. Subredactia voluntara de la Ploiesti (for Tomescu).
3. Presedintele comitetului sindicatului de la grupul
de santiere nr.3, Roman (for Avadanii).

BAEV, B.; AVADZHIEV, P.

Case of ovarian dysgerminoma. Khirurgia, Sofia 8 no.8:747-750 1955.

(DISGERMINOMA,
ovaries, case report)

(OVARIES, neoplasms,
dysgerminoma, case report)

L 47108-66 EWT(i)/FCC GW

ACC NR: AR6019884

SOURCE CODE: UR/0169/66/000/002/G001/G002

AUTHOR: Mil'shteyn, D. M.; Avagimov, A. A.; Dubrovskiy, V. G.; Lykov, V.I.;
Pavlenkin, A. D.; Solokhov, V. V.; Shikhanovich, E. L.

55
543

TITLE: The formulation of new trends of research on the structure of the Earth's crust and upper mantle in Turkmenistan by geophysical methods

SOURCE: Ref. zh. Geofizika, Abs. 2G6

REF SOURCE: Sb. Geol. rezul'taty prikl. geofiz. Geofiz. issled. stroyeniya zemn. kory. M., Nedra, 1965, 33-44

TOPIC TAGS: Earth crust, upper mantle, electromagnetic field, magnetotelluric probing, seismologic testing

ABSTRACT: Information on the structure of the Earth can be obtained by a magnetotelluric probing method of observation and interpretation of the recordings of various types of elastic waves, generated during natural earthquakes, and by studying the variations with different periods of the natural electromagnetic field of the Earth. This method is based on the study of the ratio of variations in the electric and magnetic components of the Earth's electromagnetic field.

Card 1/2

UDC: 550.311:551.14(575.4)

L 47108-66

ACC NR: AR6019884

Magnetotelluric probing stations provide the possibility of studying variations of the electromagnetic field during a period of 10 seconds to 24 hours. For improved seismological testing, it was very important to design equipment with an intermediate magnetic recording. An increased resolution of the recordings of the seismograph made it possible to use new inputs to determine the type and analysis of composite waves. Seismological observations and subsurface magnetotelluric probing in Turkmenistan proved the possibility of using both methods for studying sedimentary layers as well as the structure of the Earth's crust and the upper mantle down to depths of approximately 200--250 km. [Translation of abstract] [FM]

SUB CODE: 18, 20/

hs

Card 2/2

DEREVENKO, V.V., kand. tekhn. nauk; MOLCHANOV, D.N., inzh.; AVAGIMOV, E.A., inzh.

Combine for harvesting corn at increased speeds. Mekh. i elek.
sots. sel'khoz. 21 no.5:31-33 '63. (MIRA 17:1)

1. Kubanskiy sel'skokhozyaystvennyy institut.

AVAGIMOV, N.

Methods of planning expenses. Sov. torg 35 no. 12:25-27 D 1961
(MIR 14:11)

1. Nachal'nik planovogo otдела Torpishchetorga, g. Orsk.)
(Budget in business

AVAGIMOV, V.D., inzh.

Investigating the wear of bearing bushings in agricultural machinery
resulted from friction of abrasives on non-lubricated surfaces. Sel'-
khoz mashina, no.12:1-4 D '57. (MIRA 11:2)
(Bearings (Machinery))

AVAGIMOV, V. D.: Master Tech Sci (diss) -- "Investigation of friction pairs of cast iron and steel in cultivators and cotton seeders". Tashkent, 1958. 21 pp (Min Agric USSR, Tashkent Inst of Engineers of Irrigation and Mechanization of Agric TIIMSEh), 180 copies (KL, No 4, 1959, 125)

AVAGIMOV, Y. A. Cand. Tech Sci -- (diss) "Study of the erosive method of removing scale and other deposits from parts of tractors, automobiles, and agricultural machines." Kiev, 1958. 17 pp (Min of Agriculture UkSSR. Ukrainian Acad Agr Sci), 100 copies (KL, 14-58, 112)

AVAGIMOV, Ye.A. [Arahimov, E.O.]

Improvement of the vulcanizer. Mekh.sil'.hosp. 11 no.3:23-24
Mr '60. (MIRA 13:6)

1. Kubanskiy sel'skokhozyaystvennyy institut.
(Vulcanisation)

AVAGIMOV, Ye.A. [Avahimov, E.A.], assistant; ZAKHAROV, V.N., student 4-go kursa; ZAKHAROVA, A.A., student 4-go kursa; BELOKUROV, V.G. [Bielokurov, V.H.], student 4-go kursa

Stand for cleaning fuel and oil filters. Mekh. sil'. hosp. 13
no.9:10-11 S '62. (MIRA 17:3)

1. Kubanskiy sel'skokhozyaystvennyy institut.

MAKHMUDOV, O.S.; AVAGYANTS, V.S.

Adrenal cortex function in diphtheria. Vop. okh. mat. i det. 5 no.6:
89 N-D '60. (MIRA 13:12)

1. Iz Tashkentskogo gosudarstvennogo meditsinskogo instituta.
(ADRENAL CORTEX) (DIPHTHERIA)

AVATLIANI, I.V.; PHVANINA, G.A.; RUSADZE, D.E.; KHITUNIANI, D.S.

Treatment and late results of suppurative diseases in newborn infants. Sob. Ak. Graz. SSR 38 no. 1491-496 My '65.

(MIRA 18:9)

1. D-ya gorodskaya detskaya ob'yedinennaya bol'nitsa, Tbilisi.
Submitted December 25, 1964.

AVALADOVA, V. A.

PA 52/49T53

USSR/Medicine - Burns, Therapy
Medicine - Therapeutics

Jun 49

"Balsam Vinyl Applications in Treatments of Burns,"
V. A. Avaladova, Z. F. Shostakovskiy, Kiev MII
Hosp No 408, 1 p

"Sov Med" No 6

Discusses results of treating patients (seven
thermal burns and four chemical burns) with sub-
ject application. Healing required 8 hours - 21
days. Blood analysis of patients taken regularly
for 5 days showed leucocytosis after second day.
Balsam Vinyl is recommended for treatment of

52/49T53

USSR/Medicine - Burns, Therapy (Contd) Jun 49

burns of various degrees either in form of band-
ages or by open method. Head, Kiev MII Hosp
No 408: Col A. V. Kondratov, Med Sv.

52/49T53

AVAKH, Yu.A.

New method for testing magnetic amplifiers. Nauch. dokl. vys.
shkoly; mash. i prib. no.2:175-182 '59. (MIRA 12:12)
(Magnetic amplifiers--Testing)

AVAKH, Yuriy Aleksandrovich; NEGNEVITSKIY, I.B., red.; BORUNOV, N.I.,
tekhn.red.

[Regulation of the parameters and characteristics of magnetic
amplifier cores] Kontrol' parametrov i kharakteristik serdechni-
kov magnitnykh usilitelei; obzor zarubezhnoi literatury. Moskva,
(os.energ.isd-vo, 1960. 135 p. (MIRA 14:6)
(Magnetic amplifiers) (Cores (Electricity))

AVAKH, Yu. A.

Cand Tech Sci - (diss) "Control of toroidal cores for magnetic amplifiers with internal feedback." Moscow, 1961. 20 pp;
(Ministry of Higher and Secondary Specialist Education RSFSR,
Moscow Order of Lenin Power Inst); 150 copies; price not given;
(KL, 6-61 sup, 212)

13.2922
9.2530

35002
S/549/61/000/105/002/002
D201/D302

AUTHOR: Avakh, Yu.A., Engineer

TITLE: Checking the cores of magnetic amplifiers with self-excitation and small control circuit resistance according to their quasi-operating characteristics

SOURCE: Moscow. Vysheye tekhnicheskoye uchilishche. [Trudy], no. 105, 1961. Vysokoproizvoditel'nyye protsessy i avtomaticheskaya osnastka v priborostroyenii, 151 - 168

TEXT: The author describes a method of checking the cores of magnetic amplifiers by simulating the control current through a special arrangement, reproducing the operating conditions of the amplifier (quasi-operating load characteristics). It is shown that the length of the operating part of the amplifier load characteristic is independent of their relative position in the $I_{load}/I_{load\ max} - H_{control}$ plane, so that a magnetic amplifier with a given characteristic may be designed using cores, the quasi-load characteristics with a considerable spread of their slopes ($\tan \varphi$) and
Card 1/3

Checking the cores of magnetic ...

S/549/61/000/105/002/002
D201/D302

H_{control} . The method of checking may, therefore, be reduced to grouping the cores in m groups according to their $\tan \varphi$ spread, k groups according to their cut-off H_{control} and dividing the total $\Delta H_{\text{control}}$ for a given set of cores into n sections with plus or minus signs with respect to the nominal H_{control} value. Then the control characteristics of magnetic amplifiers, using cores having paired indices n , m and k , but of different signs, will be contained within the given tolerance spread. It is also shown that in designing magnetic amplifiers, their parameters should be chosen in such a manner that the nominal values of basic characteristic parameters coincide in the best possible way with the mid-points of the spread area of the corresponding parameters of core characteristic. If so, the number of rejected cores will be minimized. The method described, together with the load characteristics simulator, makes it possible to measure the quasi-operating load characteristics of rectangular hysteresis loop cores, together with the corresponding control characteristics of self-excited magnetic amplifiers with a small value of resistance in the control circuit. The Card 2/3

Checking the cores of magnetic ...

S/549/61/000/105/002/002
D201/D302

checking of cores from their quasi-operating characteristics makes it possible to determine analytically the permissible spread of the core parameters, as depending on the requirements imposed on the magnetic amplifier itself.

X

Card 3/3

AVAKHIAN, A. [Avahian, A.], inzh.; ANDREIKOVICH, G. [Andreicovici, G],
inzh.

Whiteness stability and its determination in cotton
fabrics. Tekstilna prom 12 no.5:18-19'63.

1. Nauchnoizsledovatel'ski institut po tekstila, RNR.

AVAKIMOV, G.G., inzh.

Automatic control of agricultural machines. Trakt. i sel'khoz mash.
no.5:25-26 My '59. (MIRA 12:6)
(Agricultural machinery) (Automatic control)

POSTNIKOV, Vladimir Ivanovich; AVAKIMOV, G.G., red.

[Methodology of determining the efficiency of the use of
radioisotopes] Metodika opredeleniia effektivnosti pri-
meneniia radioaktivnykh izotopov. Moskva, Atomizdat,
1964. 103 p. (MIRA 17:11)

AVAKIMOV, G.G., inzh.

Automation and mechanization in the enterprises of the Middle
Volga Economic Council. Mekh. i avtom. proizv. 18 no.10:
7-10 0 '64. (MIRA 17:12)

KHALMATOV, Khamid Khalmatovich; AVAKIMOVA, I., red.

[Wild medicinal plants of Uzbekistan.] Dikorastushchie
lekarstvennye rasteniia Uzbekistana. Tashkent, Izd-vo
"Meditsina" UzSSR, 1964. 276 p. (MIRA 18:6)

DZHUMAYEV, Vali Kuliyeovich; AVAKIMOVA, L.A., red.; TSAY, A.A.,
tekhn. red.

[Antibacterial preparations in surgical purulent diseases]
Antibakterial'nye preparaty pri khirurgicheskikh gnoinykh
zabolevaniyakh. Tashkent, Medgiz UzSSR, 1962. 125 p.
(MIRA 16:3)

(CHEMOTHERAPY) (SUPPURATION)

KOTOV, V.S.; AVAKIMOVA, L.A., red.; AGZAMOV, K., tekhn. red.

[Sterilization of drugs and dressing] Sterilizatsiia le-
karstvennykh sredstv i pereviazochnogo materiala. Tash-
kent, Medgiz, UzSSR, 1963. 114 p. (MIRA 17:1)

*

KHAZANOVICH, R.L.; KHALMATOV, Kh.Kh.; AKHMEDOVA, F.G.;
AVAKIMOVA, L., red.; TSAY, A., tekhn. red.

[Study of some medicinal plants of Uzbekistan] Izuchenie
nekotorykh lekarstvennykh rastenii Uzbekistana. Tashkent,
Medgiz UzSSR, 1963. 138 p. (MIRA 17:1)

FEDOROV, Polina Ivanovna; AVAKIMOVA, L.A., red.

[Thyrotoxicosis (Basedow's disease) in a hot climate]
Tireotoksikoz (bazedova bolezni) v usloviakh zharkogo
klimata. Tashkent, Medgiz UzSSR, 1963. 194 p.
(MIRA 17:11)

MIRSAGATOV, Mirza Usmanovich; AVAKIMOVA, L.A., red.

[Conservative treatment of urethral stricture] Konservativnoe lechenie suzhenii uretry. Tashkent, Izd-vo "Meditsina" UzSSR, 1964. 78 p. (MIRA 18:8)

KHARAT'YAN, Al'fred Mikhaylovich; FEYGIN, Georgiy Aronovich;
ATAKHANOV, E.I., prof., red.; AVAKIMOVA, L.A., red.

[Paper chromatography of amino acids in clinical biochemistry]
Bumazhnaya khromatografiya aminokislot v klinicheskoi biokhimii.
Tashkent, Meditsina, 1965. 70 p. (MIRA 18:8)

1. Chlen-korrespondent AMN SSSR i AN UzbekSSR (for Atakhanov).

BELIKOV, P.S., prof. doktor biol. nauk; AVAKIMOVA, L.G., aspirantka

Photosynthesis, water content, and stoma movement in the cut
leaves of kidney beans. Izv. TSKHA no. 1:48-58 '65
(MIRA 19:1)

1. Kafedra fiziologii rasteniy i laboratoriya iskusstvennogo
klimata Moskovskoy sel'skokhozyaystvennoy ordena Lenina aka-
demii imeni Timiryazeva.

MOVSESYAN, M.A.; GRIGORYAN, G.T.; SHUKURYAN, S.G.; AVAKIMOVA, E.A.

Neuro-reflex mechanism of the action of X rays. Izv. AN Arm. SSR.
Biol. i sel.'khoz. nauki. 5 no.1:45-51. '52. (MLRA 9:8)

1. Institut rentgenologii i onkologii Ministerstva zdavookhrane-
niya Armyanskoy SSR.
(X RAYS--PHYSIOLOGICAL EFFECT) (CONDITIONED RESPONSE)

AVAKIMOVA, E. A.

USSR/Medicine, Biology - Antioxidants, Jul/Aug 53
Ascorbic Acid

"The Action of 4-Methyluracil (I) and of 4-Methyl-2-Thiouracil (II) on the Process of Oxidation of Ascorbic Acid (III)," V. G. Mkhitarian, E. A. Avakimova, S. G. Shchukuryan, Sci-Res Inst of Roentgenol and Oncol, Min of Health, Armenian SSR (Yerevan)

Vop Pit, Vol 12, No 4, pp 24-28

It has been established that both thiamine and purine derivs inhibit the oxidation of III. I and II also have this effect. The antioxidant action of II is stronger than that of I, and is exhibited both in the presence and absence of Fe or Cu ions.

269T38

AVAKIMOVA, E. A.

4

Action of some derivatives of pyrimidine in the oxidation of pyrocatechol. V. G. Mekhitarov, S. G. Shukuryan, and E. A. Avakimova. *Doklady Akad. Nauk Armyan. S.S.R.* 19: 46-47 (1968) (in Russian). 4-Methyl-3-thiouracil (I) in phosphate buffer at pH 7.23 strongly inhibits the oxidation of pyrocatechol (II) either in the presence or the absence of Cu^{++} or Fe^{+++} ions. In phosphate buffer at pH 6.4, I alone or in the presence of Cu^{++} strongly inhibits the oxidation of II, but it does not inhibit the oxidation in presence of Fe^{+++} ion. 4-Methyl-

uracil (III) in phosphate buffer at pH 7.23 weakly inhibits the oxidation of II, but it shows little influence on the oxidation in the presence of Fe^{+++} and Cu^{++} ions. In a phosphate buffer at pH 6.37 III does not inhibit the oxidation of II alone or in the presence of Fe^{+++} ion, but it does inhibit in the presence of Cu^{++} ion. The tests were carried out with II which had been twice-recrystallized from phosphate buffer at pH 7.2 and pH 6.4. The oxidation of II is measured manometrically by the quantity of O_2 consumed in a Warburg app. at 37° . In the Warburg respirometer were used 3.3-ml. samples (7 mg. II in 1 ml. soln., 5 mg. I in 2.1 ml. of soln., and 0.5 ml. 80% KOH). In the tests with Cu and Fe ions (used as their sulfates), 3.1-ml. samples contg. 0.5 mg. Fe (0.09 ml.) or 0.003 mg. Cu (0.00 ml.) were employed.

P. S. Boks

(2)

AVAKIMOVA, E.A.

MEHITARYAN, V.G.; AVAKIMOVA, E.A.; SHUKURYAN, S.G.

Clinical significance of the correlation between the activity of carbonic anhydrase in the blood and gastric juice acidity. Lab. delo no.1:12-14 Jan-Feb. '55. (MLRA 8:8)

1. In biokhimicheskoy laboratorii Nauchno-issledovatel'skogo instituta rentenologii i onkologii Ministerstva Zdravookhraneniya Armysanskoy SSH (dir.-prof. V.A. Panardshyan)

(GASTRIC JUICE,

acidity, relation to blood carbonic anhydrase, clin. value)

(BLOOD,

carbonic anhydrase, relation to gastric acidity, clin. significance)

(CARBONIC ANHYDRASE,

carbonic anhydrase in blood, relation to gastric acidity clin.significance)

MIRZOYAN, G.I., prof.; AVAKIMOVA, E.A.; MEGRABYAN, M.TS.

Functional state of the pancreas in organic lesions of the brain.
Trudy Erev.med.inst. no.11:397-402 '60. (MIRA 15:11)

1. Iz kliniki nervnykh bolezney fakul'teta usovershenstvovaniya
vrachey (zav. klinikoy - prof. G.I.Mirzoyan) Yerevanskogo
meditsinskogo instituta.
(PANCREAS) (BRAIN—DISEASES)

AVAKIMYANTS, A. (Pyatigorsk)

The guarantee of success lies in cooperation. Prom.koop. no.4:
32 Ap '56. (MLRA 9:8)

1. Predsedatel' pravleniya arteli imeni Krupskoy.
(Pyatigorsk--Hosiery)

1. AVAKOV, A.
2. USSR (600)
4. Floods - Mississippi River
7. Tragedy of the "Father of Waters." Vokrug sveta no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

AVAKOV, A.

Problem of the Rhône. Vokrug sveta no.7:7-11 J1 '53.

(MLRA 6:7)
(Rhône river)

AVAKOV, A.; SHMELEV, S.

~~REDACTED~~
Breathing of the ocean. Vokrug sveta no.2:40-44 F '54. (MIRA 7:2)
(Tides)

AVAKOV, A., inzh. .

Frame trusses. Stroitel' no.3:13 Nr. '59.
(Trusses)

(MIRA 12:6)

AVAKOV, A.

Holder for resistant cermet bits. Mashinostroitel' no.8:41 Ag
'62. (MIRA 15:8)

(Metal-cutting tools)

Avakou, A.I.

- ① "Problem of Thermodynamics Theory of Cutting Metals"
Thesis of 9th Scientific-Technical Conference Tb IIZhT, Tbilisi
1945
- ② "The Present Status of the Problems of Durability"
Collection of Reports, Tb IIZhT, No.1, Tbilisi, 1946.

Referred to in Bibliography: Soosch. APU. GSSR, Vol. x, #9
1949

AVAKOV, A. A.

36696. Nekotoryye Voprosy Stoykosti Roztsa. Sbornik Trudov Tbilis. In-ta Inzhenerov
Zh-D. Transporta i M Lenina, XVII. 1948 s 131-562. Bibliogr 551-62.

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

AVAKOV, A. A.

36697. AVAKOV, A. A. i SIMONYANGA. Opyt Primeneniya Skorostnykh Metod. Ov Rezaniya Na PERZ Im Stalina. Sbornik Trudov Tbilis. In-Ta Inzhenerov Zh - D. Transporta Im Lenina, XVII - XVII, 1948 s 647-54.

SO: Letopis' Zhurnal'nykh Statey, Vol. 50. Moskva, 1949

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